| Index | of C | laims |  |
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| Application No. | Applicant(s)     |   |
|-----------------|------------------|---|
| 10/663,499      | JOHNSON, RICHARD |   |
| Examiner        | Art Unit         | - |

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| ı | Interference |

Y Quach Lee

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| Cla      | aim      |          |              |          | - 1          | Date   | е             |  |                 |   | Cla                    | im           |               |                         | Di             | ate      |  |   |   | CI    | aim        |           |        |            | Date     | •        |                 | _        |           |
|----------|----------|----------|--------------|----------|--------------|--|---------------|--|-----------------|---|------------------------|--------------|---------------|-------------------------|----------------|----------|--|---|---|-------|------------|-----------|--------|------------|----------|----------|-----------------|----------|-----------|
|          | <u>=</u> | 2        |              |          |              |  |               |  |                 |   |                        | <del>-</del> |               |                         |                |          |  |   |   |       | -B         |           |        |            |          |          |                 |          |           |
| Final    | Original | 1/18/05  |              |          |              |  |               |  |                 |   | Final                  | Original     |               |                         |                |          |  |   |   | Final | Original   |           | 1      |            |          |          |                 |          |           |
| 证        | ٦        | =        |              |          |              |  |               |  |                 |   | Œ                      | Ö            | 1             |                         |                |          |  |   |   | 证     | Orię       |           |        |            |          |          |                 |          |           |
|          |          | _        | L            | <u> </u> | L            | <u> </u>   | <u> </u>      |  | Ш               |   |                        |              |               | $\perp \perp$           |                |          | $\perp \perp$                                    |   |   |       |            |           |        | ╽.         | <u> </u> |          | _               | _        | _         |
| 1        | 1        | =        |              |          |              | ļ  | <u> </u>      |  | LЦ              |   |                        | 51           | $\perp$       | $\downarrow \downarrow$ | $\dashv$       |          | $\bot$   | $\perp$   |   |       | 101        |           |        | ↓          | <u> </u> |          |                 | $\dashv$ | $\dashv$  |
| 2        | 2        | =        |              |          | ┖            |  | <u>L</u>      |  |                 |   | <u> </u>               | 52           | $\perp$       | $\downarrow \downarrow$ | $\perp$        |          | $\bot \bot$                                      | _ _   |   |       | 102        |           | _      | ļ          | <u> </u> | _        | $\dashv$        | 4        | _         |
| 3        | 3        | =        |              | <u> </u> | ┖            | <u> </u>   | _             |  | Ш               |   |                        | 53           |               | $\bot$                  | _              | _        | $\perp \downarrow$                               |   |   |       | 103        |           | _      | <u> </u>   | -        |          | <b></b> ⊦       | $\dashv$ | $\dashv$  |
| 4        | 4        | =        | L.           | <u> </u> | ╙            | <u> </u>   | L             |  | Ш               |   |                        | 54           |               | $\perp$                 |                |          | 1-1-   |   |   |       | 104        |           | _      | -          | <u> </u> | -        | $\dashv$        | $\dashv$ | $\dashv$  |
| 5        | 5        | =        | <u> </u>     |          | ļ            |  | L.            |  | Ш               |   |                        | 55           |               | 1                       | 4              | 4        | $\perp \perp$                                    | 4   |   |       | 105        |           | +      | $\perp$    | <u> </u> | $\dashv$ | -               | -        | $\dashv$  |
| 6        | 6        | =        | _            |          | <u> </u>     | _  | _             |  |                 |   |                        | 56           |               |                         | _              | -        | ++   | $\perp$   |   |       | 106        | _         |        | +          | ┡        |          |                 | 4        |           |
| 7        | 7        | Ξ        |              | <u> </u> | <del> </del> | ┞  | <u> </u>      |  |                 |   | L                      | 57           |               | +                       | _              |          | ++   | 1   |   |       | 107        |           |        | +          |          | $\Box$   | _+              | -        | 긕         |
| 8        | 8        | =        | <u> </u>     | <u> </u> | ├            | <u> </u>   |               |  | Ш               |   |                        | 58           |               | -                       |                |          | ++   | -   |   |       | 108        |           |        | +          | ├        | -        | $\dashv$        | -        | $\dashv$  |
| 9        | 9        | =        | <u> </u>     | _        | -            | -  |               |  | Н               |   | $\vdash$               | 59           |               | +                       |                | -        | ++   | +   |   |       | 109        |           | -      | ╀          | ┢        | $\dashv$ | $\dashv$        | -        | -         |
| 10       | 10       | Ξ        | <u> </u>     | _        | -            | -  | <u> </u>      |  | Н               |   | <u> </u>               | 60           |               | +                       | +              | +        | ++   | $\perp$   |   |       | 110        |           | -      | ╁          | 1        | -1       | $\dashv$        | $\dashv$ | $\dashv$  |
| <u> </u> | 11       |          | -            | ├        | $\vdash$     | <u> </u>   | $\vdash$      | $\vdash$   | $\square$       |   | $\vdash \vdash$        | 61           | $\vdash$      | +                       |                | +        | +  | +   |   |       | 111        |           | +      | +          | $\vdash$ | $\dashv$ | +               | $\dashv$ | $\dashv$  |
|          | 12       |          |              | <u> </u> | ⊢            | 1  | ⊢             | $\vdash$   | H               |   |                        | 62           | $\vdash$      | +-                      | +              | +        | ++   | +   |   |       | 112<br>113 |           | +      | +          | $\vdash$ | -        | +               | $\dashv$ |           |
|          | 13       | ├        | -            | $\vdash$ | $\vdash$     | 1  | $\vdash$      | $\vdash$   | Н               |   |                        | 63           | $\vdash$      | +-                      | +              | +        | ++   |   |   |       |            | $\vdash$  | _      | +          | ├        | $\vdash$ | $\dashv$        | $\dashv$ | $\dashv$  |
|          | 14       | ├-       | $\vdash$     | $\vdash$ | $\vdash$     | ⊢  | $\vdash$      | $\vdash$   | $\vdash \vdash$ |   | <del>  </del>          | 64<br>65     | $\vdash$      | +                       | +              | +        | +-   |   |   |       | 114<br>115 | $\dashv$  | +      | +          | $\vdash$ | $\vdash$ | $\dashv$        | $\dashv$ | $\dashv$  |
|          | 15       |          |              | ├-       | $\vdash$     | $\vdash$   | $\vdash$      | $\vdash$   | $\vdash \vdash$ | _ |                        | 66           |               | +                       | +              | +        | ++   |   |   |       | 116        | $\vdash$  | +      | +          | ├-       | -        | -+              | $\dashv$ | -         |
|          | 16       |          | <del> </del> |          | <del> </del> |  |               | <u> </u>   | $\vdash \vdash$ |   | $\vdash \vdash \vdash$ |              |               | +-                      | +              | +        | ++   | +   |   |       | 117        | $\vdash$  | +      | +          |          |          | -+              | $\dashv$ |           |
|          | 17       | ⊢        | ├            | <u> </u> |              | ₩  | <u> </u>      |  | Н               |   |                        | 67<br>68     |               | +                       |                | +        | +  | +   |   |       | 118        |           | _      | +          | -        |          | -               | -+       |           |
| <u> </u> | 18       | ⊢        | <u> </u>     | _        | ⊢            | <b> </b>   | ⊢             |  |                 |   |                        |              |               | ╌                       |                | +        | +  | +   |   |       | 119        |           | +      | +          | $\vdash$ |          | -               | -+       |           |
|          | 19       | $\vdash$ | $\vdash$     | _        | ⊢            | ├  | ├             |  |                 |   |                        | 69           |               | ╅                       | -+-            |          | +  | +   |   |       | 120        |           | +      | +          | ⊢        | $\vdash$ | -               | -+       |           |
|          | 20       | $\vdash$ |              | _        | ⊢            | -  |               |  | Н               |   | $\vdash$               | 70<br>71     |               | +                       |                | +        | ++   | +   |   |       | 121        |           | +      | +          | $\vdash$ | $\vdash$ | +               | $\dashv$ |           |
|          | 21<br>22 | $\vdash$ |              |          | $\vdash$     | <u> </u>   | -             |  | -               |   |                        | 72           | -+            | +                       |                |          | ++   | -   |   |       | 122        | -         |        | ╀          | H        | $\vdash$ | +               | $\dashv$ | _         |
|          | 23       | -        | -            |          | ⊢            | <del> </del>                                     | ⊢             | -  | $\vdash$        |   |                        | 73           |               |                         | $\dashv$       | +        | ++   | +   |   |       | 123        |           | +      | +          | H        | Н        | -+              | $\dashv$ | _         |
| -        | 24       | ⊢        | -            | -        | -            | ├  | -             | -  | Н               |   | $\vdash$               | 74           |               | ╅╌┤                     | +              | +        | ++   | +   |   |       | 124        |           | +      | ╁          | -        | $\vdash$ |                 | -        |           |
| <u> </u> | 25       | ├        | ├─           |          | ├            | <del> </del>                                     | -             |  | H               |   |                        | 75           | -+            | +                       | +              | +        | ++   | $\dashv$  | 1 |       | 125        |           | +      | +          | -        |          | _               | -+       | $\neg$    |
|          | 26       |          | -            | -        | $\vdash$     |  | $\vdash$      |  | Н               |   |                        | 76           | -             | + +                     | $\dashv$       |          | <del>                                     </del> |   |   |       | 126        |           | +      | ╁          | -        |          | $\dashv$        | $\dashv$ | _         |
|          | 27       | ┢        | $\vdash$     | $\vdash$ | $\vdash$     | <del>                                     </del> | $\vdash$      | $\vdash$   | H               |   |                        | 77           |               | +                       |                | _        | +  |   |   |       | 127        | _         |        | +          | $\vdash$ |          | $\dashv$        | $\dashv$ | _         |
|          | 28       | H        | H            |          | $\vdash$     |  | ┢             |  | $\vdash$        |   |                        | 78           |               | +                       |                |          | + +  | +   |   |       | 128        | $\dashv$  |        | +          | H        | $\Box$   | $\perp$         | 十        | _         |
|          | 29       |          |              | -        | ┢            | <del>                                     </del> | -             |  | Н               |   | H                      | 79           | $\vdash$      | +                       |                | +        | 1  | $\neg$  |   |       | 129        | $\exists$ |        | T          | H        |          | $\dashv$        | 十        | $\neg$    |
|          | 30       |          | ┢            |          | $\vdash$     | -  | -             | -  |                 |   |                        | 80           | +             | +                       | -+             |          | 1  | +   |   |       | 130        |           | $\neg$ | +          | $\vdash$ |          | $\dashv$        | 十        | $\neg$    |
|          | 31       |          | -            |          | $\vdash$     | $\vdash$   | $\vdash$      | $\vdash$   |                 |   |                        | 81           |               | 1 1                     | $\dashv$       | _        | 11   | +   |   |       | 131        | $\neg$    |        | $\top$     | $\vdash$ | П        |                 | ヿ        | $\neg$    |
|          | 32       | -        | ┢            | -        | $\vdash$     | ┢  | H             |  | Н               | _ |                        | 82           | $\top$        | <del>     </del>        |                | +        | 11   | $\dashv$  |   |       | 132        |           |        | $\dagger$  | T        | $\Box$   | 十               | 寸        | $\exists$ |
|          | 33       |          |              |          | H            | -  | 1             | <del>                                     </del> | $\vdash$        |   |                        | 83           |               | 1-1                     |                | 1        |  |   |   |       | 133        |           |        | †          | T        |          | $\neg \uparrow$ | ヿ        | 一         |
|          | 34       |          |              |          | T            | 1  | $\vdash$      | _  | $\vdash$        | _ |                        | 84           |               | $\top$                  | $\neg \dagger$ |          | $T^{\dagger}$                                    |   |   |       | 134        |           | $\top$ | $\uparrow$ |          |          | $\neg$          | 7        | $\neg$    |
|          | 35       |          |              |          | T            | T  | <del> </del>  | $\vdash$   | $\vdash$        | _ |                        | 85           | $\vdash$      | +                       | $\dashv$       |          | 1  |   |   |       | 135        | $\Box$    | _      | T          |          |          | $\top$          | $\neg$   | $\neg$    |
|          | 36       | $\vdash$ |              |          | T            |  |               |  | М               | _ |                        | 86           |               |                         |                | $\dashv$ | 11   |   |   |       | 136        |           |        | $\top$     | İ        |          | 一               | $\neg$   | ᅵ         |
|          | 37       | Г        |              |          |              |  | T             | T-   | $\vdash$        | _ |                        | 87           | $\Box$        | $\top$                  |                |          | T  |   |   |       | 137        |           | $\top$ |            |          |          |                 | $\neg$   |           |
|          | 38       |          |              |          |              | $\vdash$   | $\overline{}$ | <del>                                     </del> | $\vdash$        |   |                        | 88           |               |                         |                | $\top$   |  |   |   |       | 138        |           |        |            |          |          |                 | $\neg$   |           |
|          | 39       | Г        | Т            | <u> </u> |              |  | T             |  | .               |   |                        | 89           |               | $\top$                  |                |          | $\top$   |   |   |       | 139        |           | T      | 1          | Π        |          |                 |          | ╗         |
|          | 40       |          |              |          |              |  |               |  | П               |   |                        | 90           |               |                         | _              |          |  |   |   |       | 140        |           |        | Γ          |          |          |                 |          |           |
|          | 41       |          |              |          | Г            | Π  | П             |  |                 |   |                        | 91           |               |                         |                |          |  |   |   |       | 141        |           |        |            |          |          | $\Box$          |          |           |
|          | 42       |          |              |          |              |  |               |  |                 |   |                        | 92           |               |                         |                |          |  |   |   |       | 142        |           |        |            |          |          |                 |          |           |
|          | 43       |          |              |          |              |  |               |  |                 |   |                        | 93           |               |                         |                | $\perp$  |  |   |   |       | 143        |           |        |            |          |          |                 |          | _]        |
|          | 44       |          |              |          |              |  |               |  |                 |   |                        | 94           |               |                         |                |          |  |   |   |       | 144        |           |        |            |          |          | $\Box$          | $\Box$   |           |
|          | 45       | L        | Ĺ            | L        | L            |  |               |  |                 |   |                        | 95           |               |                         | $\Box$         |          |  |   |   |       | 145        |           |        |            |          | L        |                 | $\prod$  | ]         |
|          | 46       |          |              |          |              |  |               |  |                 |   |                        | 96           |               |                         | $\bot$         | $\Box$   |  |   |   |       | 146        |           |        |            |          |          |                 |          | ]         |
|          | 47       |          |              |          |              |  |               |  |                 |   |                        | 97           |               |                         |                | $\Box$   |  | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |   |       | 147        |           |        | 1          |          |          | П               | [        |           |
|          | 48       |          |              |          |              |  |               |  |                 |   |                        | 98           |               | Ш                       |                |          | 1-[  |   |   |       | 148        | Щ         | _   _  | $\perp$    | Щ.       | <u></u>  | $\sqcup$        | _        |           |
| L        | 49       |          | L            | _        | <u> </u>     | ┖  |               | _  | Ш               |   |                        | 99           | $\sqcup \bot$ | $\square$               |                |          | 11   |   |   |       | 149        | Ш         | _      |            |          |          | Ц               | $\dashv$ |           |
|          | 50       |          |              |          |              |  | L             |  |                 |   | لــــا                 | 100          |               | Ш                       |                |          |  |   |   | L     | 150        |           |        | 1.         | L.       |          | Ш               |          |           |